

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Davis Ave Fire Response - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #4
Final
Davis Ave Fire Response
01NC
Norwood, MA
Latitude: 42.1764167 Longitude: -71.2176531

To: Polrep Distribution, USEPA-R1

From: John McKeown, On Scene Coordinator

Date: 1/3/2017

Reporting Period: 9/1/2016 through 12/31/2016

1. Introduction

1.1 Background

Site Number:	01NC	Contract Number:	EP-S1-16-01
D.O. Number:	0009	Action Memo Date:	6/21/2016
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/16/2016	Start Date:	6/16/2016
Demob Date:	11/21/2016	Completion Date:	11/21/2016
CERCLIS ID:	MAN000101941	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response and Time-Critical Removal Action

1.1.2 Site Description

The site is an abandoned industrial facility that has been used for multiple purposes including reportedly a dye and soap manufacturer, tannery, and pool chemical storage. Overnight on June 15-16, 2016 it caught fire and was engulfed in flames. By the morning of June 16, the fire had been suppressed, however firefighting water was periodically applied to smoldering pockets for several days. The building housed many containers of unknown contents and condition, some of which were leaking. The building is structurally unsound and unsafe to enter without engineering controls and/or equipment for personnel safety.

Hawes brook, a tributary to the Neponset river flows underneath the building. Firefighting runoff water and leaking container contents, along with chemically saturated structural material were leaking uncontrollably into the brook through inaccessible flow paths. Release of contaminated firefighting runoff water to Hawes brook reportedly caused a fish and bird kill and discolored the brook a reddish color.

The site is in a densely populated industrial area.

1.1.2.1 Location

85 Davis Ave, Norwood, MA, 02062. (The initially reported address was 59 Davis Ave, an adjacent property.)

1.1.2.2 Description of Threat

Unknown chemicals leaking from containers and chemically saturated building materials, entrained in firefighting water uncontrollably releasing into Hawes brook. Specific chemicals are unknown at this time but due to the prior building uses; they could include acids, caustics, VOCs, dyes, and metal solutions. The release was of such hazard and toxicity that in addition to the reddish discoloration of Hawes brook, it caused a fish and bird kill of unknown magnitude. A potential air exposure pathway exists due to the presence of significant asbestos containing building materials damaged by the fire.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA collected samples of firefighting runoff water and surface water. Analytical results were assessed by EPA and response partners. The Norwood Health Department, supported by Massachusetts Department of Public Health (MassDPH) and Massachusetts Department of Environmental Protection (MassDEP) determined the levels of contamination in Hawes Brook did not exceed the environmental risk factors.

During the emergency response, EPA observed numerous tanks and drums that may contain hazardous substances and also significant amounts of building materials, ranging from pipe wrap to siding, that contain asbestos.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Emergency response and emergency removal tasks requested of EPA by the unified command included:

- Sample and analyze firefighting runoff and surface water;
- Stop/mitigate the release of firefighting runoff water and leaking containers to Hawes Brook from the building and the site. This includes containing/collecting and disposing of runoff water on the site grounds and accessible portions of the building and disassembling the building and moving/securing containers as necessary to secure the release from the building to the brook.
- Address other uncontrollable releases discovered on site.
- Secure the site with fencing and signage

EPA completed the emergency response phase of the project June 21, 2016 and secured the Site pending access and approval to complete the time-critical removal phase of the project.

On August 3, 2016, EPA returned to the Site to complete the time-critical removal action portion of the project. The primary objectives of the time-critical removal action included the following:

- Continue with the demolition of the building to access and secure any remaining containers of hazardous substances,
- Assess the containers of hazardous substances and properly dispose off-site,
- Disassemble the building and segregate ACM debris from recyclable metal,
- Properly dispose ACM off-site and recycle metal debris,
- Clean the building foundation and surrounding area to prevent further exposure to ACM by occupants of the adjacent business parks.

2.1.2 Response Actions to Date

EPA Actions; see POLREP1 and POLREP2 for actions 6/16 - 6/21/2016:

- The entire building has been disassembled and all of the containers located inside of the building were secured and staged in the debris collection area,
- The containers were assessed to determine if hazardous substances are present (HAZCAT). Empty containers and containers with water were recycled with other metal debris. Containers with hazardous substances were prepared for proper off-site disposal,
- Building debris was staged in the debris collection area and segregated between recyclable metal and asbestos containing material (ACM). 5 shipments of recyclable metal have been transported off-site,
- The concrete foundation has been cleaned of debris and EPA has also removed debris from the surrounding areas and the banks of Hawes Brook,
- START performed the HAZCAT of containers recovered from the building,
- ERRS set up T&D of the containers and asbestos debris,
- EPA and ERRS coordinated the T&D of all waste streams to an EPA approved disposal facility,
- During all phases of the emergency response and time-critical removal action, START conducted daily perimeter air monitoring,

Other Unified Command Actions:

- The Town of Norwood and the Norwood Fire Department provided access to water from a nearby hydrant.
- MassDEP is supporting the response but not on-site during this period.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Town officials report the site has been abandoned for 10-15 years. A search of town records indicated a potential property owner who resides in Florida. During the emergency response, EPA and the Town of Norwood made multiple attempts to reach the owner without success. EPA conducted the emergency response based on the site conditions and only to the extent to address the threat to Hawes Brook. In early July, the owner of the property granted access to EPA to complete the time-critical removal action.

2.1.4 Progress Metrics

Metrics tracking off-site treatment and disposal of materials from the Site are displayed in the table below. The two primary waste streams were debris containing friable asbestos and wastewater. 29,573 gallons of wastewater was treated off-site and 496.23 tons of friable asbestos debris was disposed off-site.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non DOT/RCRA Waste Water	Water	9000 Gal	001	x	
Non DOT/RCRA Waste Water	Water	9000 Gal	002	x	
Non DOT/RCRA Waste Water	Water	9028 Gal	003	x	
Non DOT/RCRA Waste Water	Water	1485 Gal	004	x	
Non DOT/RCRA Waste Water	Water	1060 Gal	005	x	
Asbestos - Friable	Debris	23.48 Tons	705714		x
Asbestos - Friable	Debris	31.45 Tons	705756		x
Asbestos - Friable	Debris	26.60 Tons	705764		x
Asbestos - Friable	Debris	27.09 Tons	705770		x
Asbestos - Friable	Debris	26.73 Tons	706067		x
Asbestos - Friable	Debris	26.52 Tons	706093		x

Asbestos - Friable	Debris	30.27 Tons	706104		x
Asbestos - Friable	Debris	35.62 Tons	706312		x
Asbestos - Friable	Debris	22.74 Tons	706331		x
Asbestos - Friable	Debris	28.06 Tons	706338		x
Asbestos - Friable	Debris	24.05 Tons	706359		x
Asbestos - Friable	Debris	25.71 Tons	706362		x
Asbestos - Friable	Debris	36.33 Tons	706529		x
Asbestos - Friable	Debris	25.63 Tons	706559		x
Asbestos - Friable	Debris	25.87 Tons	706602		x
Asbestos - Friable	Debris	25.16 Tons	706606		x
Asbestos - Friable	Debris	26.08 Tons	716518		x
Asbestos - Friable	Debris	10.39 Tons	865051		x
Asbestos - Friable	Debris	7.37 Tons	865058		x
Asbestos - Friable	Debris	11.08 Tons	865230		x
Non Regulated Material	Solid	1000 pounds	1331855		x
NA3082 Lead - D008	Liquid	150 pounds	016016916JJK		x
NA3082 Barium Chromium D007	Liquid	150 pounds	016016916JJK		x
UN3264 Chromium H2SO4 D011	Liquid	150 pounds	016016916JJK		x
State regulated oil waste	Liquid	721 Gal	016269982JJK		x
Non Haz DOT Solids	Concrete	28 Tons	001		x
Non Haz DOT Solids	Concrete	28 Tons	002		x
Non Haz DOT Solids	Soil	28 Tons	003		x
Non Haz DOT Solids	Soil	28 Tons	004		x
Non Haz DOT Solids	Soil	28 Tons	005		x
Non Haz DOT Solids	Soil	25 Tons	006		x

2.2 Planning Section

2.2.1 Anticipated Activities

See below detail:

2.2.1.1 Planned Response Activities

EPA has completed work at the Site on November 21, 2016 and demobilized all equipment and personnel. No further on-site action is anticipated.

2.2.1.2 Next Steps

EPA will make updates to the Final POLREP and Web Site upon receipt of trailing cost information and final manifests/certificates of destruction.

EPA will publish an After Action Report (AAR) for this Site and post on the Web Site and mail copies to Mass DEP, Town of Norwood and Norwood Reception.

2.2.2 Issues

- During the final stages of cleaning the building's concrete foundation, EPA discovered an area where green dye was leaching out of the foundation. EPA removed a portion of the slab to expose the soil underneath and collected two soil samples. The samples were sent to EPA's New England Regional Laboratory (NERL) for analysis. The soil samples did not contain significant levels of hazardous substances, but EPA removed the small volume of green stained soil, as a pollutant, to prevent future discoloration of Hawes Brook.

2.3 Logistics Section

The Town of Norwood provided the water for this project. Environmental Restoration (ER) used water from a nearby hydrant for dust suppression during movement of ACM building debris.

2.4 Finance Section

2.4.1 Narrative

A formal ERRS task order was issued on 6/23/2016 to follow-on the verbal/email task order and scope of work to ERRS of 6/16/2016.

The task order ceiling is \$400,000.

The START TDD was raised to \$98,352.

See table below for Costs to Date.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$400,000.00	\$313,652.00	\$86,348.00	21.59%
TAT/START	\$98,352.00	\$77,584.00	\$20,768.00	21.12%
Intramural Costs				
Total Site Costs	\$498,352.00	\$391,236.00	\$107,116.00	21.49%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

- The OSC was the site safety officer. The building was unsafe to enter without heavy equipment and engineering controls.

2.5.2 Liaison Officer

- The OSC was the LNO for this Site.

2.5.3 Information Officer

- During the Emergency Response phase, the OSC was interviewed by several media outlets on-site and provided information to interested members of the general public, local government officials and the community.
- Support staff in the REOC provided information to the PIO for release to the regional media.
- Following the Emergency Response, there was very little media or community interest in the removal action.
- The PIO developed a Fact Sheet for the Site which was distributed to the Town of Norwood and was available on-site.

3. Participating Entities

3.1 Unified Command

EPA

Town of Norwood

Mass DEP was on-site during the Emergency Response and Emergency Removal Action phase.

3.2 Cooperating Agencies

MA Fish & Wildlife Department (active participant during the emergency response phase)

4. Personnel On Site

Personnel on site has varied throughout this period depending upon operations, approximate staffing:

EPA OSC (1)

EPA - START (1)

EPA - ERRS (5)

5. Definition of Terms

None

6. Additional sources of information

6.1 Internet location of additional information/report

None other than this epaosc.org website.

6.2 Reporting Schedule

Not designated at this time.

7. Situational Reference Materials

No information available at this time.